BRUHATH BANGALORE MAHANAGARA PALIKE

MODIFIED BILL OF QUANTITIES (BOQ)

Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra

Sl. No.	Approved Quantity	Description	Unit	Issued to	
				Technical Manager, KRIDL	
				In Figures	In Words
1	1212.67	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.As per Direction of Engineer Incharge of the work.	Cum	220.40	Rupees Two Hundred Twenty And Paise Forty Only
2	97.65	Removing And Refixing stone slabs of drains and pointing in C.M (1:3).As per Direction of Engineer Incharge of the work.	Sqm	111.30	Rupees One Hundred Eleven And Paise Thirty Only
3	456.04	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.As per Direction of Engineer Incharge of the work.	Cum	5509.33	Rupees Five Thousand Five Hundred Nine And Paise Thirty Three Only
4	9.36	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed,concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications .As per Direction of Engineer Incharge of the work..**Qty Upto 125%**	Cum	5695.35	Rupees Five Thousand Six Hundred Ninety Five And Paise Thirty Five Only
	4.50	**Qty Above 125%**	Cum	5695.35	Rupees Five Thousand Six Hundred Ninety Five And Paise Thirty

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KRIDL BBMP DIVISION
BENGALURU-560 010

Signature of the Contracter

Executive Engineer

o.	Approved Quantity	Description	Unit	Issued to	
				Technical Manager, KRIDL	
				In Figures	In Words
5	113.01	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm.As per Direction of Engineer Incharge of the work.	Cum	7189.42	Rupees Seven Thousand One Hundred Eighty Nine And Paise Forty Two Only
6	0.00	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - **600mm dia.**As per Direction of Engineer Incharge of the work.	Mtr	2288.54	Rupees Two Thousand Two Hundred Eighty Eight And Paise Fifty Four Only
7	7.55	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3.As per Direction of Engineer Incharge of the work.	Tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six And Paise Ninety Eight Only
8	73.80	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate).As per Direction of Engineer Incharge of the work.	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only

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Sl. No.	Approved Quantity	Description	Unit	Issued to Technical Manager, KRIDL	
				In Figures	In Words
9	25.50	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate).As per Direction of Engineer Incharge of the work.	Sqm	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
10	471.58	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202.As per Direction of Engineer Incharge of the work.	Cum	952.94	Rupees Nine Hundred Fifty Two And Paise Ninety Four Only
11	2690.50	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.As per Direction of Engineer Incharge of the work.	Sqm	6.36	Rupees Six And Paise Thirty Six Only
12	409.16	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406.As per Direction of Engineer Incharge of the work.	Cum	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only

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Sl. No.	Approved Quantity	Description	Unit	Issued to Technical Manager, KRIDL	
				In Figures	In Words
13	403.58	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum).As per Direction of	Cum	5354.02	Rupees Five Thousand Three Hundred Fifty Four And Paise Two Only
14	2690.50	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.As per Direction of Engineer Incharge of the work.	Sqm	72.08	Rupees Seventy Two And Paise Eight Only
E-1	4.00	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - **250mm dia.**As per Direction of Engineer Incharge of the work.	Mtr	559.68	Rupees Five Hundred Fifty Nine And Paise Sixty Eight Only

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o.	Approved Quantity	Description	Unit	Issued to	
				Technical Manager, KRIDL	
				In Figures	In Words
E-2	189.00	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.As per Direction of Engineer Incharge of the work.	Sqm	966.72	Rupees Nine Hundred Sixty Six And Paise Seventy Two Only
E-3	189.00	Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13.As per Direction of Engineer Incharge of the work.	Sqm	950.82	Rupees Nine Hundred Fifty And Paise Eighty Two Only

1. The Work Should be executed as per the specification and standard specified by the PWD & Other Specifications of the Bangalore Mahanagara Palike and as directed.
2. The Work Should be carried out as per the directions and instructions of the concerned Engineer.
3. The Contractor Should Maintain the Quantity of Work as per the Standard Specification.

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Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

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I am prepared to take up the above work at the rates quoted by me in the Modified Schedule-B

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Contractor